



PUBLIC NOTICE

File Number: NRS 15.315

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: Russell Davis
U.S. Army Corps of Engineers
Memphis District
167 N. Main Street Room B-202
Memphis, TN 38103
901-544-0593

LOCATION: McKellar Lake bank stabilization,
McKellar Lake, Memphis, Shelby County
Latitude: 35.08683 Longitude: -90.15784

PROJECT DESCRIPTION: The applicant proposes to raise the existing stone fill structure for a length of 697 feet using class c graded stone with a final top width of 6 feet and a 1:1.5 slope. This action is required as a repair to a large scour area created by overtopping of the structure. Additional work behind the structure would include filling of the scour hole and paving the area with a 2 foot thick layer of Class C stone including approximately 300 feet of a 35 foot wide constructed swale/ditch.

Impact 1: Latitude: 35.08683 Longitude: -90.15784
McKellar Lake

Raise the existing stone fill structure for a length of 697 feet using class c graded stone with a final top width of 6 feet and a 1:1.5 side slope. The structure lies beyond the water's edge and serves as flood protection. The project would also involve filling of a scour hole behind the structure and paving the area with a 2 foot thick layer of Class C stone including approximately 300 feet of a 35 foot wide constructed swale/ditch.

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will not result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: McKellar Lake is an embayment of the Mississippi River. The Tennessee portion of the Mississippi River Watershed is located in West Tennessee and includes parts of Dyer, Lake, Lauderdale, Shelby and Tipton counties. It is approximately 1,086 square miles (590 square miles in Tennessee) and drains into the Mississippi River. There are 35 known rare plant and animal species in the Tennessee portion of the Mississippi River Watershed. For more information on this watershed please visit <http://tn.gov/environment/article/wr-ws-mississippi-river-watershed>

McKellar Lake (TN08010100001_1200) is in the Coastal Plains Ecoregion (73a). The channel dimensions are all greater than 100' with a navigable water depth of >9'+/-. Typical substrate in this section is comprised of sand and mud.

McKellar Lake was assessed in 2013. It is not supporting its designated uses. The specific uses that are not meeting use support and the causes are as follows: Recreation and Fish and Aquatic Life due to discharges from sanitary sewer overflow and dredging. The lake is available for the proposed impacts.

Stream Name / ID #: McKellar Lake (TN08010100001_1200)

Ecoregion: Coastal Plains Ecoregion (73a).

Stream Dimension:

Channel bottom width	<100
Channel top width	<100
Water depth	~9'
Bank height	1-14'

Substrate: sand and mud

Designated Use	Use Support	Causes
Fish and aquatic life	not supporting	sanitary sewer overflow and dredging
Recreation	not supporting	
Industrial water supply	fully supporting	
Irrigation	fully supporting	
Livestock watering/wildlife	fully supporting	

Assessment Date: 2013

PERMIT COORDINATOR: Brian Canada

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

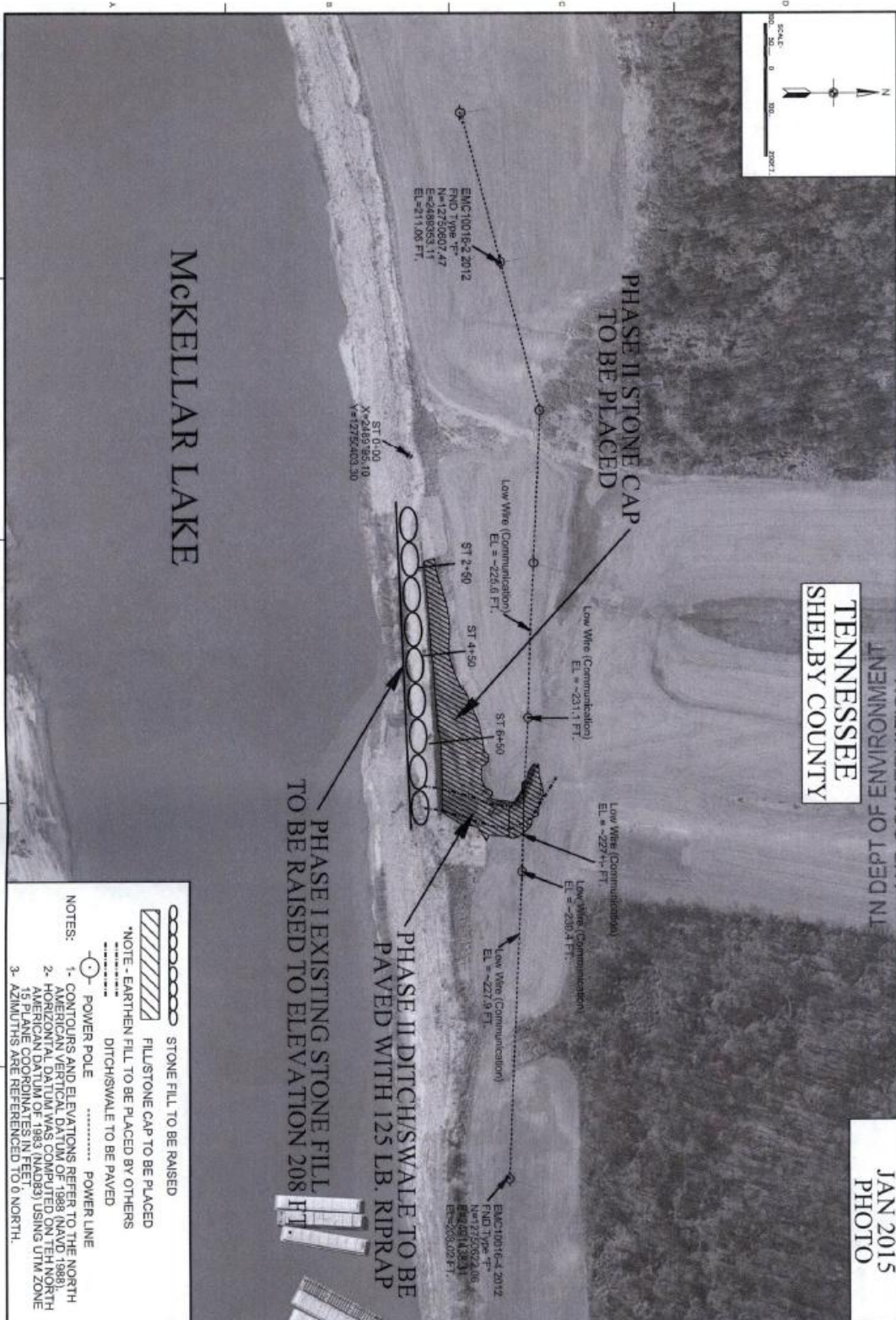
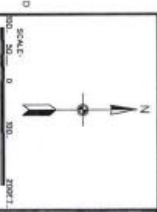
APPEAL: A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11th floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

TENNESSEE
SHELBY COUNTY

JAN 2015
PHOTO



- NOTES:
- 1- CONTOURS AND ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
 - 2- HORIZONTAL DATUM WAS COMPUTED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) USING UTM ZONE 15 PLANE COORDINATES IN FEET.
 - 3- AZIMUTHS ARE REFERENCED TO 0 NORTH.
- STONE FILL TO BE RAISED
- FILL/STONE CAP TO BE PLACED
- *NOTE - EARTHEN FILL TO BE PLACED BY OTHERS
- DITCH/SWALE TO BE PAVED
- POWER POLE
- POWER LINE

DESIGNATION G-001 10/2		MEMPHIS-HARBOR SCOUR REPAIRS RIVER MILE 72BL GENERAL MAP		U.S. ARMY CORPS OF ENGINEERS MEMPHIS DISTRICT MEMPHIS, TENNESSEE SCALE 1:1,200		PROJECT NO. 10016-2-2012 DRAWN BY 10016-2-2012 CHECKED BY 10016-2-2012 DATE 10/2		DATE 10/2		DESCRIPTION	
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W.O. No. 14-II-09-Overbank Scour Hole Prior to Earthen Fill – Looking North @ Area Where Swale To Be Constructed



W.O. No.14-II-09-Existing McKellar Stone Fill Structure – Looking Landward (East)